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1 [Parallel performance optimization of large-scale unstructured data visualization for the earth simulator](#)

L. Chen, I. Fujishiro, K. Nakajima

September 2002 EGPGV '02: Proceedings of the Fourth Eurographics Workshop on Parallel Graphics and Visualization

Publisher: Eurographics Association

Full text available: [pdf\(560.75 KB\)](#)

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Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 30, Citation Count: 4

This paper describes some efficient parallel performance optimization strategies for large-scale unstructured data visualization on SMP cluster machines including the Earth Simulator in Japan. The three-level hybrid parallelization is employed in our ...

2 [Thermal effects on real-time systems](#)

Youngwoo Ahn, Riccardo Bettati

January 2008 ACM SIGBED Review, Volume 5 Issue 1

Publisher: ACM

Full text available: [pdf\(165.16 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 0, Citation Count: 0

In our research, we study how real-time systems are affected by thermal management to satisfy the temperature constraint. In temperature-constrained real-time systems, deadline guarantees must be met without exceeding safe temperature level of the processor. ...

3 [Using Randomized Rounding to Satisfy Timing Constraints of Real-Time Preemptive Tasks](#)

Anupam Datta, Sidharth Choudhury, Anupam Basu

January 2002 ASP-DAC '02: Proceedings of the 2002 conference on Asia South Pacific design automation/VLSI Design

Publisher: IEEE Computer Society

Full text available: [pdf\(160.61 KB\)](#) [Publisher Site](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 3, Citation Count: 1

In preemptive real-time systems, a tighter estimate of the Worst Case Response Time (WCRT) of the tasks can be obtained if the layout of the tasks in memory is included in the estimation